

IN THE CLAIMS

Please amend claims 1-15, as follows, with a marked-up copy of the amended claims being included in an Appendix attached to this Preliminary Amendment:

1. (Amended) A method of obtaining a heat-stable extract having antioxidant and wound-healing activity from a culture medium of microalgae, comprising first culturing said microalgae in a photobioreactor subject to appropriate lighting and controlled conditions of temperature, pH, and supply of carbon dioxide, adding 100 mg/l of potassium bicarbonate to the culture medium after a period of six to twelve days, then closing the photobioreactor for a period of one to three days to obtain oxygen supersaturation, then separating the microalgae from the culture medium by centrifuging, and finally filtering said culture medium on an appropriate filter for separating said extract.

2. (Amended) The method according to claim 1, wherein the lighting of the photobioreactor is by solar energy.

3. (Amended) The method according to claim 1, wherein the supply of carbon dioxide is carried out by bubbling of air enriched with compressed carbon dioxide.

4. (Amended) The method according to claim 1, wherein the filtering of the culture medium after the centrifuging, adapted to separate the microalgae therefrom, is carried out on a filter composed of cellulosic membrane with pore dimensions between 1 and 1.5 μm .

5. (Twice Amended) Extract with antioxidant and wound-healing properties obtained according to the method according to claim 1, containing at least 30 U/ml of superoxide dismutases like and at least 1 mg/ml of sulphated polysaccharides.

6. (Amended) Extract with antiradical properties obtained from the extract according to claim 5 by precipitation by a solvent or by separation by a cellulosic membrane, said extract containing at least 30 U/ml of superoxide dismutases like.

7. (Amended) Extract with tissue regeneration properties obtained from the extract according to claim 5, by precipitation by a solvent or by separation by a cellulosic membrane, said extract containing at least 1 mg/ml of sulphated polysaccharides.

8. (Twice Amended) Extract according to claim 6, wherein the separation is obtained using a cellulosic membrane with pore dimensions between 1,000 and 50,000 daltons.

9. (Twice Amended) Extract according to claim 6, wherein the precipitation is obtained using ethanol.

10. (Amended) A polymer comprising the extract according to claim 5 as an antioxidant.

11. (Twice Amended) A dietetic composition against oxidative stress comprising the extract according to claim 5.

12. (Twice Amended) A food product containing the extract according to claim 5 as a preservative.

13. (Amended) A cosmetic product adapted to slow skin aging containing the extract according to claim 5.

14. (Amended) Anti-inflammatory composition containing the extract according to claim 5.

15. (Amended) A composition adapted to biological control of plant parasites containing the extract according to claim 7.